WHAT IS CLAIMED IS:

1	1. A method for manufacturing an armrest bun, the method
2	comprising:
3	configuring a pour tool to include a cavity and a fixture, the fixture
4	configured to receive a support substrate;
5	positioning the support substrate in the fixture such that a portion of
6	the support substrate is in communication with the cavity; and
7	pouring a foam material into the cavity, the foam material sufficient
8	to bond to the portion of the support substrate in communication with the cavity.
1	2. The method of claim 1 further comprising defining the cavity
2	to include a curvature, the curvature matching a curvature in an armrest cavity, the
3	poured foam shaped by the cavity curvature so that the foam forms to match the
4	armrest cavity curvature.
1	3. The method of claim 1 further comprising defining the cavity
2	to include a taper, the taper matching a taper in an armrest cavity, the poured foam
3	shaped by the cavity taper so that the foam forms to match the armrest cavity taper.
1	4. The method of claim 1 wherein the support substrate includes
2	an elongated prong, and wherein the method further comprise positioning the
3	support substrate so that the elongated prong extends into the cavity, the poured
4	foam chemically bonding to the elongated prong.
1	5. The method of claim 4 wherein the elongated prong includes
2	an aperture, and the method further comprises positioning the support substrate so
3	that the aperture is positioned within the cavity, at least a portion of the poured foam
4	pouring through the aperture and chemically bonding thereto.
1	6. The method of claim 1 wherein the support substrate includes
2	a funnel, the funnel extending from one side of the substrate through to an opposite
3	side of the support substrate, and wherein the method further comprising positioning

4	the support substrate so that the poured foam pours through the funnel to reach the
5	cavity.
.1	7. An armrest, the armrest comprising:
2	a first substrate defining a configuration of the armrest and including
3	a first cavity;
4	a skin covering the first substrate; and
5	an armrest bun inserted into the first cavity, the armrest bun including
6	a second substrate and a foam layer, the foam layer comprising a poured foam
7	material bonded to the second substrate.
1	8. The armrest of claim 7 wherein a portion of the first cavity
2	has a curvature, and wherein the poured foam material has a corresponding
3	curvature such that the inserted armrest bun snuggly fits to the curvature of the first
4	cavity to limit dead-spots.
1	9. The armrest of claim 7 wherein a portion of the first cavity
2	has a taper, and wherein the poured foam material has a corresponding taper such
3	that the inserted armrest bun snuggly fits to the taper of the first cavity to limit
4	dead-spots.
1	10. The armrest of claim 7 wherein the first substrate includes a
2	shoulder on an opening side of the first cavity, and wherein the second substrate
3	includes a channel such that the channel of the second substrate mates with the
4	shoulder of the first substrate to position thereto.
1	11. The armrest of claim 7 wherein the skin is flexible and
2	includes a lip extending over an opening side of the first cavity, and wherein the
3	second substrate includes a ridge such that the lip flexes over the second substrate
4	to catch on the ridge of the inserted armrest bun to position the skin thereto.
1	12. The armrest of claim 7 wherein the first substrate includes an
2	aperture proximate an opening side of the first cavity, and wherein the second

3	substrate includes a detent, the detent of the inserted armrest bun catching in the
4	aperture of the first substrate to position the second substrate thereto.
1	13. The armrest of claim 7 wherein the first substrate includes an
2	angled flange, the flange corresponding with an opening in a door panel such that
3	an angle of the flange tightens the first substrate against the door panel when
4	attached thereto to limit separation of the skin from the door panel.
1	14. The armrest of claim 7 wherein the skin is flexible and
2	includes a lip extending over an opening side of the first cavity, and wherein the
3	second substrate includes a locating face proximate the opening side of the first
4	cavity when the bun is inserted into the first cavity, the lip resting on the locating
5	face of the inserted bun if the skin is properly assembled, the lip separated from the
6	locating face if the skin is improperly assembled.
1	15. The armrest of claim 7 wherein the second substrate includes
2	an elongated prong extending laterally from an end of the second substrate into the
3	first cavity, and wherein the poured foam is chemically bond to the prong.
1	16. The armrest of claim 15 wherein the foam is chemically
2	bonded to top and bottom sides of the prong.
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1	17. The armrest of claim 15 wherein the foam is chemically
2	bonded to only a top side of the prong.
1	18. An armrest bun, the bun comprising:
2	a support substrate configured for insertion into an armrest cavity;
3	and
4	a poured foam adhered to the support substrate.
1	19. The armrest bun of claim 18 wherein the foam includes a
2	curvature and a taper to closely match a curvature and a taper of the armrest cavity
3	to limit dead-spots.

- 1 20. The armrest bun of claim 18 wherein the support substrate
- 2 includes an aperture through which foam can be poured for adhering to the support
- 3 substrate.